

### **Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application.

### **Listing of Claims:**

1. (Currently Amended) A service cartridge for removable positioning in a filter housing for use; the service cartridge, prior to installation in the filter housing, comprising:
  - (a) filter media having first and second ends and positioned around a central open area;
  - (b) a first end cap secured to the first end of the filter media; ~~and,~~
    - (i) the first end cap being a closed end cap with no aperture therethrough; and,
  - (c) a treatment agent storage and release cartridge secured to the second end of the media;
    - (i) the treatment agent storage and release cartridge having a ring configuration defining an inside wall defining a central flow conduit in liquid flow communication with the central open area defined by the filter media;
      - (A) the inside wall having no diffusion apertures therethrough; and,
    - (ii) the treatment agent storage and release cartridge also having an outer sidewall and an end wall remote from the filter media;
      - (A) the end wall having a flow aperture arrangement therethrough;
      - (B) the outer sidewall having a flow aperture arrangement therethrough; and,
      - (C) a total diffusion area of the flow aperture arrangement in the outer sidewall being greater than a total diffusion area of the flow aperture arrangement in the end wall; and,

- (d) a housing seal arrangement comprising a radially inwardly directed seal member positioned on the treatment agent storage and release cartridge and oriented to releasably seal to a central housing standpipe when the cartridge is installed in a housing, for use;
- (e) the filter media having no impermeable wall there around in extension completely between the first and second ends of the filter media, when the cartridge is ready for installation in a filter housing, for use.

2. (Cancelled)

3. (Cancelled)

4. (Previously Presented) A filter cartridge according to claim 1 wherein:

- (a) the treatment agent storage and release cartridge comprises a cup having a cover;
  - (i) the filter media being secured to the cover with adhesive.

5. (Original) A filter cartridge according to claim 4 including:

- (a) a mounting prong arrangement projecting axially outwardly from the first end cap.

6. (Original) A filter cartridge according to claim 5 wherein:

- (a) the media is pleated media.

7. (Original) A filter cartridge according to claim 6 wherein:

- (a) the cartridge includes no cylindrical media support liner.

8. (Original) A filter cartridge according to claim 7 wherein:

- (a) an axial length ratio of the filter media to the treatment agent storage and release cartridge is at least 1.5.

9. (Original) A filter cartridge according to claim 7 wherein:
- (a) an axial length ratio of the filter media to the treatment agent storage and release cartridge is at least 2.0.
10. (Original) A filter cartridge according to claim 9 wherein:
- (a) the axial length ratio of the filter media to the treatment agent storage and release cartridge is within the range of 2.2 to 3.0.
11. (Original) A filter cartridge according to claim 10 wherein:
- (a) the first end cap is a closed end cap.

12-17. Previously Cancelled